

RECOMBINANT PLASMID EXPRESSING TWO FLUORESCENT
GENES

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ABSTRACT OF THE DISCLOSURE

The present invention provides a recombinant plasmid, comprising (a) a ubiquitous promoter, (b) one fluorescent gene, said gene being operably linked to and inserted downstream of said ubiquitous promoter, (c) a skin-specific or muscle-specific promoter, and (d) another fluorescent gene, said gene being
10 operably linked to and inserted downstream of said skin-specific or muscle-specific promoter, wherein the ubiquitous promoter and the skin-specific or muscle-specific promoter have the adverse directional property and the ubiquitous promoter and the skin-specific or muscle-specific promoter
15 are located upstream of said fluorescent gene and said another fluorescent gene respectively so as to have the directional property which permits transcription of said genes. Also provided a host cell, a method of producing a transgenic fish and transgenic fish harboring the plasmid of the invention.